

Peak District National Park

Forecast valid from 00:00 on Friday 15 Dec 2023 until 23:59 on Saturday 16 Dec 2023

Forecast Issued on Thursday 14 Dec 2023 at 08:56

Confidence: High for mild, largely settled conditions through the coming days, but lower for details of precipitation from Sunday due to uncertainties regarding movement of an expected slow moving band of rain.

Headline for Friday 15 Dec 2023: Mainly dry with sunny spells, cloud increasing later. Strong winds

Mountain weather hazards on Friday 15 Dec 2023

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

No Likelihood

Gales

No Likelihood

Severe chill effect

Low Likelihood

Poor visibility

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Cloudy
Precipitation probability							
10%	<05%	<05%	<05%	<05%	<05%	10%	20%

Forecast for Friday 15 Dec 2023

Weather: Rather cloudy in the west at first with a little drizzle possible, but most places dry overnight with some long clear spells, with some patchy low level fog. Then any low level mist and fog clearing to leave a bright day with some sunny spells. Cloud increases later in the afternoon bringing, especially to western hills, an increased risk of drizzle later in the evening.

Chance of cloud-free hill tops above 600m: Around 90%, but chances falling in the evening.

Low cloud and visibility: Only small amounts expected below summit level through daylight hours but becoming periods above 450-600m in the evening. Otherwise visibility good or very good but falling, especially in the evening, to several kilometres in drizzle.

Forecast for Friday 15 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/20 W	17/25 W	19/27 SW	18/27 SW	17/25 SW	20/27 SW	24/33 SW	27/37 SW	29/40 SW
300	9/15 SW	12/19 SW	12/20 SW	12/20 SW	11/19 SW	13/20 SW	15/24 SW	17/27 SW	18/29 SW
Valley	4/13 SW	5/17 SW	5/17 SW	5/18 SW	6/17 SW	6/19 SW	9/23 SW	10/25 SW	12/27 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-2	3/-3	2/-4	2/-3	3/-2	4/-1	6/0	6/1	6/1
300	5/1	4/1	4/-0	4/0	5/2	6/3	7/4	8/4	9/5
Valley	4/3	4/2	3/1	3/1	6/4	6/4	7/5	8/6	9/6
Freezing Level*	1100m	1100m	1000m	1000m	1100m	1700m	2100m	1900m	1800m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Feeling cold on the higher peaks despite rising temperatures as winds increase.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at
15:00 on Thu 14 Dec 2023

Last 24 hours:
2.2mm

Last 48 hours:
3.4mm

Last 72 hours:
10.4mm

Forecast for Saturday 16 Dec 2023

Weather: Rather cloudy with patchy light rain and drizzle, the best of any brighter or sunnier spells expected across eastern hills.

Maximum wind: Southwesterly 25-30mph, gusts around 50mph over higher peaks during the afternoon and evening.

Chance of cloud-free hill tops above 600m: Little chance across western hills but nearer 40% in the east.

Low cloud and visibility: Periods of persistent cloud above 450-600m, but more occasional above 600m at times in the east. Away from cloud, visibility good falling to several kilometres at times in rain and drizzle.

Temperature: **Valleys:** Plus 7 or 8 Celsius at dawn rising to 11 or 12 Celsius by day
At 600m: Around plus 6 Celsius
Freezing level: Well above the summits.